## Special Issue

# Piezoelectric Materials for Photocatalysis and Electrocatalysis

## Message from the Guest Editors

This Special Issue, entitled Ferroelectric Materials for Photocatalysis and Electrocatalysis, aims to provide a platform for recent advances in the design, synthesis, and application of ferroelectrics and related functional oxides for sustainable energy and environmental technologies. The scope of this Special Issue includes, but is not limited to, ferroelectric-driven photocatalysis for pollutant degradation and solar fuel production, ferroelectric electrocatalysts for water splitting. CO2 reduction, and nitrogen fixation, as well as novel characterization techniques that analyze polarizationcatalysis relationships at the nanoscale. Keywords: ferroelectric materials; photocatalysis; electrocatalysis; charge separation; polarization effects; functional oxides; water splitting; CO2 reduction; environmental remediation; energy conversion

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## Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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